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SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE CENTRAL ORDER OF
LEVIN INSTITUTE OF HEMATOLOGY AND BLOOD TRANSFUSION

"Mechanism of the Action of Synanthrene," D. L. Rubinshteyn, R. A. Rutberg, Physicochem Dept, Cent Inst Hematology and Blood Transfusion

"Byull Eksptl Biol i Med" Vol 19, No 3, 1945, pp 51-4

Synanthrone, a synthetic antithrombin, is a thio ether of pectic acid; it was prepared as a substitute for heparin. To keep one liter of blood fluid, 250 mg synanthrone is required. For injection in animals 8-10 mg per kg weight is required. Larger doses instead of delaying and preventing coagulation, cause a flocculent precipitation of fibrinogen.

"Absorption Spectrum of Hemoglobin in Red Cells,"
D. L. Rubinshteyn, H. M. Ravikovich, Cent Inst Hematol-
ogy and Blood Transfusion

"Nature" Vol 158, 1946, pp 952-3

The γ -band of hemoglobin which has been previously claimed not to exist in intact cells, can be demonstrated by any one of 3 techniques devised by the authors. The first technique involves using a Se photocell and adjusting the cuvette with red blood cells quite close to it. In the second technique, a light beam is directed on the cuvette at a small angle (less than $40-45^\circ$) to the optical axis of the spectrograph so as to allow only the light scattered in a

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backward direction to reach the collimator. The third method involves raising the η of the solution in which the red blood cells are suspended as closely as possible to the η of the cells, without hemolyzing the latter.

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